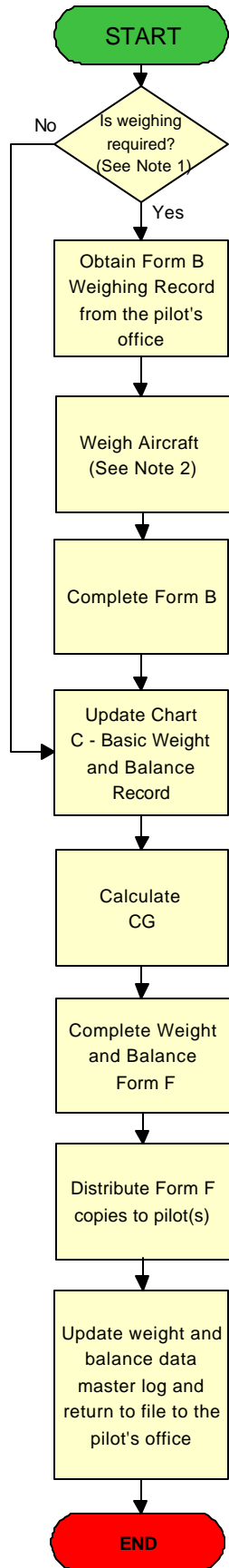


AIRCRAFT WEIGHT AND BALANCE (W&B)

Dryden Flight Research Center

DOP-O-023

Revision: E



Objectives:

-to manage aircraft weight and balance

Electronically Approved By:

Director, Flight Operations Directorate

Note 1:

Aircraft in operation at DFRC will be weighed and balanced under any of the following conditions:

1. Time compliance requirement (See Chart "A")
2. Major repair or modification
3. Unsatisfactory flight characteristics
4. Calculated weight and balance suspect

Note 2:

Options: Advance scheduling of AFFTC Weighing Facility or Portable Electronic Scales

CHART "A"

AIRCRAFT CATEGORY	WEIGHING INTERVAL
<u>Research Aircraft:</u> Fundamentally experimental in the design of one or more of its systems, intended for aerospace technology research (e.g.: F-18 SRA, F-15 B, etc.)	Annually *
<u>Platform Aircraft:</u> A production type aircraft with non-experimental flight systems, which serves as a platform for earth science or other scientific sensors and data gathering equipment (e.g.: ER-2, DC-8)	Per Tech Order or following major instrument upload **
<u>Support Aircraft:</u> Production type aircraft which "support" research missions (safety chase, photo, and video coverage), launch aircraft for research or other manned or unmanned vehicles (e.g.: T-34, F-18, B-52)	3 Years For all types **
<u>Mission Management Aircraft:</u> Production Aircraft, FAA certified for passenger transport (e.g.: KingAir)	3 Years **
* May be deferred by operations engineer for good reason, up to 3 months. Any further deferment requires OE branch chief (or higher) approval. ** Deferment requires OG division level or "O" directorate level approval.	

Check the list at

<http://www.dfrc.nasa.gov/Business/DMS/index.html>.

VERIFY THAT THIS IS THE CORRECT VERSION BEFORE USE.

PRINTED DOCUMENT FOR REFERENCE ONLY.

DOCUMENT HISTORY PAGE

This page is for informational purposes and does not need to be retained with the document.

DOP-O-023

Revision: E

<u>DATE APPROVED</u>	<u>ISSUE</u>	<u>PAGE</u>	<u>AMENDMENT DETAILS</u>
3/29/99	Baseline		
4/12/99	A	1	Change: "Tow aircraft to Edwards Weight and Balance Facility" in block 1 of Crew Chief
5/11/99	B	1	Add blocks 1 and 2 of Operations Engineer Move block "Update Chart C - Basic weight and Balance Record" above block " Complete Weight and Balance Form F" of Operations Engineer
6/14/99	C	1	Major changes to chart
11/28/00	D	1	Change: "Operations Engineer" responsibilities and Note 1. Add: Note 2 and Chart "A"
4/25/03	E	1	Traceability change - change location of records and log. Ref.pg.1, Blk 2-Change to read; Obtain Form B Weighing record from the pilots office. Ref. pg.1,Blk 9-Change to read; Update weight and balance data master log and return file to the pilots office.